

WHAT IS CLAIMED IS:

1. A method for utilizing rainwater falling on a building, comprising the steps of:
removing a predetermined quantity of initial precipitation from the rainwater collected from the roof surface of the building;
supplying the subsequent rainwater to a purifier to carry out pH adjustment and sterilization;
supplying the purified rainwater to a storage tank; and
pumping out the purified rainwater from the storage tank for various uses.
2. The method of claim 1, further comprising the step of carrying out physical filtration at or before an inlet port of the purifier.
3. The method of claim 1, wherein the pH adjustment neutralizes the rainwater that is acidic, and the sterilization is carried out using active oxygen species produced by decomposition of aqueous hydrogen peroxide.
4. The method of claim 1, further comprising the step of decomposing and eliminating residual active oxygen species remaining in the purified rainwater that has been supplied to the storage tank.
5. A method for utilizing rainwater falling on a building, comprising the steps of:

removing a predetermined quantity of initial precipitation from the rainwater collected from the roof surface of the building;

supplying the subsequent rainwater to a purifier to carry out pH adjustment and sterilization;

supplying the purified rainwater to a storage tank; and

monitoring the water level of the storage tank, and preventing the rainwater from entering the purifier and the storage tank if the water level has reached a predetermined upper limit.

6. The method of claim 5, further comprising the step of carrying out physical filtration at or before an inlet port of the purifier.

7. The method of claim 5, wherein the pH adjustment neutralizes the rainwater that is acidic, and the sterilization is carried out using active oxygen species produced by decomposition of aqueous hydrogen peroxide.

8. The method of claim 5, further comprising the step of decomposing and eliminating residual active oxygen species remaining in the purified rainwater that has been supplied to the storage tank.

9. A method for utilizing rainwater falling on a building, comprising the steps of:

removing a predetermined quantity of initial precipitation from the rainwater collected from the roof surface of the building;

supplying the subsequent rainwater to a purifier to carry out pH adjustment and sterilization;

supplying the purified rainwater to a storage tank; and

monitoring the water level of the storage tank, and supplying tap water into the storage tank if the water level of the storage tank has reached a predetermined lower limit.

10. The method of claim 9, further comprising the step of carrying out physical filtration at or before an inlet port of the purifier.

11. The method of claim 9, wherein the pH adjustment neutralizes the rainwater that is acidic, and the sterilization is carried out using active oxygen species produced by decomposition of aqueous hydrogen peroxide.

12. The method of claim 9, further comprising the step of decomposing and eliminating residual active oxygen species remaining in the purified rainwater that has been supplied to the storage tank.

13. A method for utilizing rainwater falling on a building, comprising the steps of:

removing a predetermined quantity of initial precipitation from the rainwater collected from the roof surface of the building;

supplying the subsequent rainwater to a purifier to carry out pH adjustment and sterilization;

supplying the purified rainwater to a storage tank;

monitoring the water level of the storage tank, and preventing the rainwater from entering the purifier and the storage tank if the water level of the storage tank has reached a predetermined upper limit;

supplying tap water into the storage tank if the water level of the storage tank has reached a predetermined a predetermined lower limit; and

pumping out the purified rainwater from the storage tank for various uses.

14. The method of claim 13, further comprising the step of carrying out physical filtration at or before an inlet port of the purifier.

15. The method of claim 13, wherein the pH adjustment neutralizes the rainwater that is acidic, and the sterilization is carried out using active oxygen species produced by decomposition of aqueous hydrogen peroxide.

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16. The method of claim 13, further comprising the step of decomposing and eliminating residual active oxygen species remaining in the purified rainwater that has been supplied to the storage tank.